Plotting a Point on a Plane

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| --- | --- | --- | --- |
| Role | Audience | Format | Topic |
| Origin | Any other coordinate | Riddle | Why am I so special? |
| X-coordinate | Y-coordinate | Love letter | Why we belong together! |
| Plane | Students | Flow Chart | This is what goes on me! |
| x-axis | y-axis | song | You go up/down, I go left/right. |

Directions: Students will get into groups. Each person in each group will pick one of the following. Each person must choose something different. Then each group will write up how all these pieces go together when graphing.

Tiering cards: Students will take a small quiz of five questions on the unit. Where ever they are having the most trouble they will get that car and be put into groups to get more help on that lesson.

Group 1: Slope

Group 2: Plotting points

Group 3: Input-output tables

Group 4: Enrichment

Quiz

1. Label all parts of the graph
2. Find the domain and range.
3. Find the slope and Y-intercept:

Slope:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

y-intercept:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Graph the line for #3
2. Make an input-output table then graph the ordered pairs.

|  |  |  |  |
| --- | --- | --- | --- |
| Input | Rule | Output | Ordered pair (x,y) |
| X | X^2+2 | Y | ( , ) |
| -2 |  |  | ( , ) |
| 0 |  |  | ( , ) |
| 2 |  |  | ( , ) |